6. BIBLIOGRAPHY:

Ackerley D. F., Barak Y, Lynch S. V., Curtin J, and Matin A, Effect of Chromate Stress on Escherichia coli K-12, *J. Bacteriology* (2006), 3371-3381.

Alexandra H. S. James A. I, and Roderick I. M., Increasing the Oxidative Stress Response Allows Escherichia coli To Overcome Inhibitory Effects of Condensed Tannins. *J. Applied Environ Microbiology* (2003), 3406-3411.

Amako K, Umeda A. Bacterial Surfaces as Revealed by the High Resolution Scanning Electron Microscope, *J. General Microbiology* (1977), 297-299.

Anjem A, Varghese S, Imlay JA. Manganese import is a key element of the OxyR response to hydrogen peroxide in Escherichia coli. *J. Molecular Microbiology* (2009), 844-58.

Anjem A, Varghese S, Imlay JA. Stress responses of manganese on growth of e coli. *J. Molecular Microbiology* (2009), 844-58.

Baker J, Sutthirat S, Sengupta M, Johnson M, Jayaswal R. K. and Morrissey J. A. Copper Stress Induces a Global Stress Response in Staphylococcus aureus and Represses sae and agr Expression and Biofilm Formation. *J. Applied Environmental Microbiology* (2010), 150-160.

Baysse C, Daniel D. V, Yann N, Vandermonde A, Ochsner U, Meyer J, Budzikiewicz H, Schafer M, Fuchs R and Cornells P, Vanadium interferes with siderophore-mediated iron uptake in Pseudomonas aeruginosa. *J. Microbiology* (2000), 2425-2434.

Benson H. J. Microbiological Applications, 5th Edition *Wm. C. Brown Publication* (1990), 131.

Beswick P.H, Hall G H, Hook A.J, Little K, McBrien D.C.H, Lott K.A.K, Copper toxicity: Evidence for the conversion of cupric to cuprous copper in vivo under anaerobic conditions. *J. Elsevier* (2002).

Beyersmann D, Hartwig A. The genetic toxicology of cobalt. *J. Elsevier* September (2004), 137-145.

Cheesbrough M, Medical Laboratory manual for Tropical countries. Microbiology *Published by Butterworth and Co*.(1984), 26-49.

Collee J.G, Dugid J.P., Fraser A.G, Maruion BP (Editor), Paramedical Microbiology. Thirteen Edition, *Churchill Livingstone Publication* (1989), 143-152, 561-562.

Dutta R.K, Sharma P. K., Bhargava R, Kumar N and Pandey A C. Differential Susceptibility of Escherichia coli Cells toward Transition Metal-Doped and Matrix-Embedded ZnO Nanoparticles. *J. American Chemical Society* (2010).

Ellis R. J. Quality and Procedures for Microbiological Laboratories, *Centre For Disease Control* (1976), 49-55.

Gupta N, Target(s) of Transcriptional Regulators ppGpp and DksA *Text Book Proquest LLC,* January (2009).

Hou Z, Cashel M, Fromm HJ. Honzatko RB. Effectors of the stringent response target the active site of Escherichia coli adenylosuccinate synthetase. *J Biological Chemistry* (1999), 17505-10.

Ihssen J and Egli T. Specific growth rate and not cell density controls the general stress response in Escherichia coli. *J. Microbiology* (2004), 1637-1648.

Jovanovic G, Weiner L and Model P. Identification, nucleotide sequence, and characterization of PspF, the transcriptional activator of the Escherichia coli stress-induced psp operon. *J. Bacteriology* (1996), 1936-1945.

Kaur A, Pan M, Meislin M, Facciotti M.T., Gewely R, and Baliga N S. Systems view of haloarchaeal strategies to withstand stress from transition metals *J. Genome Research* (2006), 841-854.

Kuroda A, Murphy H, Cashel M, Kornberg A. Guanosine tetra- and pentaphosphate promote accumulation of inorganic polyphosphate in Escherichia coli. *J Biological Chemistry* (1997), 21240-3.

Lapase S. P., Shelton J. E., and Mitchell, T. J., Media for the maintenance and preservation of Bacteria, Methods in Microbiology, *Ed. Norris and Ribons, Academic Press* (1970), 1-133.

Puig S, Askeland E, Thiele DJ. Coordinated remodeling of cellular metabolism during iron deficiency through targeted mRNA degradation. *J. Cell* (2005), 99-110.

Ranquet C, Ollagnier S, Barras L L F, and Fontecave M. Cobalt Stress in Escherichia coli the effect on the iron-sulfur proteins. *J. Biological Chemistry* (2007).

Rensing C, Grass G. Escherichia coli mechanisms of copper homeostasis Ina changing environment, *J. Wiley* (2003).

Salvail H, Masse E. Regulating iron storage and metabolism with RNA: an overview of posttranscriptional controls of intracellular iron homeostasis. *J. Willey,* (2011).

Sambrook and Russell, Molecular Clonning, A Laboratory Mannual, Vol I third Edition, *Cold Spring Habor Laboratory Press Publication* (2007), 7.4-9.35.

Teitzel G.M., Geddie A, Susan K. Long D, Kirisits M J, Whiteley M and Parsek M R. Survival and Growth in the Presence of Elevated Copper: Transcriptional Profiling of Copper-Stressed Pseudomonas aeruginosa. *J. Bacteriology* (2006), 7242-7256.

Wilderman P J, Sowa NA, FitzGerald PC, Gottesman S, Ochsner UA, Vasil ML. Identification of tandem duplicate regulatory small RNAs in Pseudomonas aeuruginosa involved in iron homeostasis. *J. Proceedings of National Academy of Science, U.S.A.* (2004).

Wu L F, Navarro C, Pina K D, Quenard M, and Mandrand M A. Antagonistic effect of nickel on the fermentative growth of Escherichia coli K-12 and comparison of nickel and cobalt toxicity on the aerobic and anaerobic growth. *J. Environmental Health Perspectives* (1994), 297-300.

Wu L, Yu J, Sun X, Li B. The effect of nickel (II) ions on the growth and bioaccumulation properties of Escherichia coli. *Environmental Progress & Sustainable Energy* (2008), 234-239.

Yao J, Tian L, Wang F, Chen H, Xu C, Su C, Cai M, Maskow T, Zaray G, Wang Y. Microcalorimetric Study on Effect of Chromium (III) and Chromium(VI)

Species on the Growth of Escherichia coli. *Chinese J. of Chemistry* (2008), 101-106.

Zar J. H. Biostatistical Analyis. Fourth Edition, Pearson's Publication (2005), 91, 122, 177.